In the Abstract:

The Abstract for the application is appended hereto, set forth on a separate page.

December 29, 2005

Respectfully submitted,

William M. Lee, Jr.

Registration No. 26,935 Barnes & Thornburg

P.O. Box 2786

Chicago, Illinois 60690-2786

(312) 214-4800

(312) 759-5646 (fax)

ABSTRACT

5

10

15

INTERFERENCE REDUCTION IN WIRELESS COMMUNICATIONS SYSTEMS

A wireless communications system has a plurality of uplink and downlink channels available for use. Channels are distributed among different operators who may plan their networks in a non-ideal manner. A terminal uses an uplink channel and a downlink channel selected from those available and performs a method to check whether it is causing interference to other users of the system. The method determines whether the terminal is transmitting at a power which may cause interference to an adjacent uplink channel. If so, the terminal determines which downlink channel is associated with the adjacent uplink channel and monitors that downlink channel. The terminal may then operate in a manner which will reduce interference.